EcoRI (1) ClaI (26)
HindIII (32)
AvrII (657)
ScaI (18030) HindIII (1191)
NdeI (16481)
Amp
Ad5 bp 35937
SalI (14835)
BamHI (14559) Ad5 bp 21562
HindIII (4128)
pBr/Ad.Bam-rITR
(18544 bp) fiber
NdeI (5033)
SfiI (13122)
XbaI (5651)
EcoRI (6072)
NotI (6610)
AvrII (7369)
XbaI (7529)
AscI (10829)
SrfI (8592)
HindIII (9793)
SpeI (9039) EcoRI (8790)
469

Figure 1

Figure 2

BamHI

NdeI

Fiber

SbfI

ITR

PCR fragment

NY-UP

NY-DOWN

NdeI NsiI

SbfI

NY-UP : 5'-CGA CAT ATG TAG ATG CAT TAG TTT GTG TTA TGT TTC AAC GTG-3'
              NdeI   NsiI

NY-DOWN : 5'-GGA GAC CAC TGC CAT GTT G-3'

ClaI (26)
EcoRI (1)
HindIII (32)
ScaI (16339)
AvrII (657)
HindIII (1191)

Amp

Ad5 bp35937

Sse8387I (2836)

NsiI (3335)

SalI (13146)

Ad5 bp 21562

NdeI (3344)

BamHI (12870)

pBr/Ad.BamR.deltaFIB
(16853 bp)

XbaI (3962)

EcoRI (4383)

NotI (4921)

SfiI (11433)

Sse8387I (11145)

AvrII (5680)

XbaI (5840)

426

EcoRI (7101)

AscI (9140)

HindIII (8104)

Figure 3

Figure 4A: Sequence of Ad5 fiber

ATGAAGCGCGCAAGACCGTCTGAAGATACCTTCAACCCCGTGTATCCATATGACACGGAAACCGGTC
CTCCAACTGTGCCTTTTCTTACTCCTCCCTTTGTATCCCCCAATGGGTTTCAAGAGAGTCCCCCTGG
GGTACTCTCTTTGCGCCTATCCGAACCTCTAGTTACCTCCAATGGCATGCTTGCGCTCAAAATGGGC
AACGGCCTCTCTCTGGACGAGGCCGGCAACCTTACCTCCCAAAATGTAACCACTGTGAGCCCACCTC
TCAAAAAAACCAAGTCAAACATAAACCTGGAAATATCTGCACCCCTCACAGTTACCTCAGAAGCCCT
AACTGTGGCTGCCGCCGCACCTCTAATGGTCGCGGGCAACACACTCACCATGCAATCACAGGCCCCG
CTAACCGTGCACGACTCCAAACTTAGCATTGCCACCCAAGGACCCCTCACAGTGTCAGAAGGAAAGC
TAGCCCTGCAAACATCAGGCCCCCTCACCACCACCGATAGCAGTACCCTTACTATCACTGCCTCACC
CCCTCTAACTACTGCCACTGGTAGCTTGGGCATTGACTTGAAAGAGCCCATTTATACACAAAATGGA
AAACTAGGACTAAAGTACGGGGCTCCTTTGCATGTAACAGACGACCTAAACACTTTGACCGTAGCAA
CTGGTCCAGGTGTGACTATTAATAATACTTCCTTGCAAACTAAAGTTACTGGAGCCTTGGGTTTTGA
TTCACAAGGCAATATGCAACTTAATGTAGCAGGAGGACTAAGGATTGATTCTCAAAACAGACGCCTT
ATACTTGATGTTAGTTATCCGTTTGATGCTCAAAACCAACTAAATCTAAGACTAGGACAGGGCCCTC
TTTTTATAAACTCAGCCCACAACTTGGATATTAACTACAACAAAGGCCTTTACTTGTTTACAGCTTC
AAACAATTCCAAAAAGCTTGAGGTTAACCTAAGCACTGCCAAGGGGGTTGATGTTTGACGCTACAGCC
ATAGCCATTAATGCAGGAGATGGGCTTGAATTTGGTTCACCTAATGCACCAAACACAAATCCCCTCA
AAACAAAAATTGGCCATGGCCTAGAATTTGATTCAAACAAGGCTATGGTTCCTAAACTAGGAACTGG
CCTTAGTTTTGACAGCACAGGTGCCATTACAGTAGGAAACAAAAATAATGATAAGCTAACTTTGTGG
ACCACACCAGCTCCATCTCCTAACTGTAGACTAAATGCAGAGAAAGATGCTAAACTCACTTTGGTCT
TAACAAAATGTGGCAGTCAAATACTTGCTACAGTTTCAGTTTTGGCTGTTAAAGGCAGTTTGGCTCC
AATATCTGGAACAGTTCAAAGTGCTCATCTTATTATAAGATTTGACGAAAATGGAGTGCTACTAAAC
AATTCCTTCCTGGACCCAGAATATTGGAACTTTAGAAATGGAGATCTTACTGAAGGCACAGCCTATA
CAAACGCTGTTGGATTTATGCCTAACCTATCAGCTTATCCAAAATCTCACGGTAAAACTGCCAAAAG
TAACATTGTCAGTCAAGTTTACTTAAACGGAGACAAAACTAAACCTGTAACACTAACCATTACACTA
AACGGTACACAGGAAACAGGAGACACAACTCCAAGTGCATACTCTATGTCATTTTCATGGGACTGGT
CTGGCCACAACTACATTAATGAAATATTTGCCACATCCTCTTACACTTTTTCATACATTGCCCAAGA
ATAA

Figure 4B: Sequence of Ad5/fib12 chimeric fiber

ATGAAGCGCGCAAGACCGTCTGAAGATACCTTCAACCCCGTGTATCCATATGACCCATTTGACACAT
CAGACGTACCCTTTGTTACACCCCCTTTTACTTCTTCCAATGGTCTTCAAGAAAAACCACCAGGTGT
ATTAGCACTTAATTACAAAGACCCCATTGTAACTGAAAATGGAACCCTTACACTCAAGCTAGGGGAC
GGAATAAAACTTAATGCCCAAGGTCAACTTACAGCTAGTAATAATATCAATGTTTTGGAGCCCCTTA
CCAACACCTCACAAGGTCTTAAACTTTCTTGGAGCGCCCCCCTAGCAGTAAAGGCTAGTGCCCTCAC
ACTTAACACAAGAGCGCCCTTAACCACAACGGATGAAAGCTTAGCCTTAATAACCGCCCCTCCCATT
ACAGTAGAGTCTTCGCGTTTGGGCTTGGCCACCATAGCCCCTCTAAGCTTAGATGGAGGTGGAAACC
TAGGTTTAAATCTTTCTGCTCCCCTGGACGTTAGTAACAACAATTTGCATCTCACCACTGAAACTCC
CTTAGTTGTAAATTCTAGCGGTGCCCTATCTGTTGCTACTGCAGACCCCATAAGTGTTCGCAACAAC
GCTCTTACCCTACCTACGGCAGATCCGTTAATGGTGAGCTCCGATGGGTTGGGAATAAGTGTCACTA
GTCCCATTACAGTAATAAACGGTTCCTTAGCCTTGTCTACAACTGCTCCCCTCAACAGCACAGGATC
CACTTTAAGTCTGTCTGTTGCCAATCCTCTGACTATTTCACAAGACACATTGACTGTTTCCACTGGT
AACGGTCTTCAAGTGTCGGGGTCTCAATTAGTAACAAGAATAGGGGATGGTTTAACATTCGATAATG
GGGTCATGAAAGTAAACGTTGCCGGGGGGAATGAGAACTTCTGGCGGTAGAATAATTTTAGATGTTAA
TTATCCCTTTGATGCGAGCAATAACCTGTCCTTAAGACGGGGATTGGGACTAATTTATAACCAATCT
ACAAACTGGAACTTAACAACTGATATTAGTACCGAAAAAGGTTTAATGTTTAGTGGCAATCAAATAG
CTCTTAATGCAGGTCAGGGGCTTACATTTAATAATGGCCAACTTAGGGTTAAGTTGGGAGCTGGACT
TATTTTTGATTCAAACAATAACATTGCCTTAGGCAGCAGCAGCAACACTCCATACGACCCTCTGACA
CTGTGGACAACTCCTGACCCACCACCAAACTGCAGCCTCATACAAGAGCTAGATGCAAAACTCACCC
TGTGCTTAACAAAAAACGGATCTATTGTTAATGGCATTGTAAGTTTAGTGGGTGTTAAGGGTAATCT
CCTAAATATCCAAAGTACTACTACCACTGTAGGAGTGCATTTAGTGTTTGATGAACAGGGAAGATTA
ATCACATCAACCCCTACTGCCCTGGTTCCCCAAGCTTCGTGGGGATATAGACAAGGCCAATCAGTGT
CTACCAATACTGTTACCAATGGTCTAGGTTTTATGCCTAATGTGAGTGCTTACCCTAGACCAAATGC
CAGTGAGGCTAAAAGCCAAATGGTAAGTCTCACGTACTTACAGGGAGATACATCTAAACCTATAACA
ATGAAAGTTGCATTTAATGGCATTACGTCGCTAAATGGATACTCTTTAACATTCATGTGGTCAGGTC
TATCAAACTATATAAATCAGCCTTTCTCTACACCATCCTGCTCCTTNTCTTACATTGCCCAAGAA**TA
A**ATGCATTAG

Figure 4C: Sequence of Ad5/fib16 chimeric fiber

ATGAAGCGCGCAAGACCGTCTGAAGATACCTTCAACCCCGTGTATCCATATGAAGATGAAAGCAGCT
CACAACACCCCTTTATAAACCCTGGTTTCATTTCCTCAAATGGTTTTGCACAAAGCCCAGATGGAGT
TCTAACTCTTAAATGTGTTAATCCACTCACTACCGCCAGCGGACCCCTCCAACTTAAAGTTGGAAGC
AGTCTTACAGTAGATACTATCGATGGGTCTTTGGAGGAAAATATAACTGCCGAAGCGCCACTCACTA
AAACTAACCACTCCATAGGTTTATTAATAGGATCTGGCTTGCAAACAAAGGATGATAAACTTTGTTT
ATCGCTGGGAGATGGGTTGGTAACAAAGGATGATAAACTATGTTTATCGCTGGGAGATGGGTTAATA
ACAAAAAATGATGTACTATGTGCCAAACTAGGACATGGCCTTGTGTTTGACTCTTCCAATGCTATCA
CCATAGAAAACAACACCTTGTGGACAGGCGCAAAACCAAGCGCCAACTGTGTAATTAAAGAGGGAGA
AGATTCCCCAGACTGTAAGCTCACTTTAGTTCTAGTGAAGAATGGAGGACTGATAAATGGATACATA
ACATTAATGGGAGCCTCAGAATATACTAACACCTTGTTTAAAAACAATCAAGTTACAATCGATGTAA
ACCTCGCATTTGATAATACTGGCCAAATTATTACTTACCTATCATCCCTTAAAAGTAACCTGAACTT
TAAAGACAACCAAAACATGGCTACTGGAACCATAACCAGTGCCAAAGGCTTCATGCCCAGCACCACC
GCCTATCCATTTATAACATACGCCACTGAGACCCTAAATGAAGATTACATTTATGGAGAGTGTTACT
ACAAATCTACCAATGGAACTCTCTTTCCACTAAAAGTTACTGTCACACTAAACAGACGTATGTTAGC
TTCTGGAATGGCCTATGCTATGAATTTTTCATGGTCTCTAAATGCAGAGGAAGCCCCGGAAACTACC
GAAGTCACTCTCATTACCTCCCCCTTCTTTTTTTCTTATATCAGAGAAGATGAC**TGA**ATGCATTAG

Figure 4D: Sequence of Ad5/fib28 chimeric fiber

ATGTTGTTGCAGATGAAGCGCGCAAGACCGTCTGAAGATACCTTCAACCCCGTGTATCCATATGGCT
ACGCGCGGAATCAGAATATCCCCTTCCTCACTCCCCCCTTTGTTTCTTCCGATGGATTCCAAAACTT
CCCACCTGGGGTCCTGTCACTCAAACTGGCTGACCCAATCACCATCGCTAATGGGGATGTCTCACTC
AAGTTGGGAGGCGGACTGACGGTGGAAAAAGAGTCTGGAAACTTAACTGTGAACCCTAAGGCTCCCT
TGCAAGTTGCAAGTGGACAATTGGAATTAGCATATGATTCTCCATTTGATGTTAAAAACAATATGCT
TACTCTTAAAGCAGGTCACGGCTTAGCAGTTGTAACGAAAGACAATACTGATTTACAACCACTAATG
GGCACACTTGTTGTTTTAACTGGCAAAGGCATTGGCACTGGCACAAGTGCTCACGGTGGAACCATAG
ATGTGAGAATAGGAAAAAACGGAAGTCTGGCATTTGACAAAAATGGAGATTTGGTGGCCTGGGATAA
AGAAAATGACAGGCGCACTCTATGGACAACTCCAGACACATCTCCAAATTGCAAAATGAGTGAAGTC
AAAGACTCAAAGCTTACTCTTATTCTTACAAAATGCGGAAGTCAAATTCTAGGAAGTGTATCTTTGC
TTGCTGTAAAAGGAGAATATCAAAATATGACTGCCAGTACTAATAAGAATGTAAAAATAACACTGCT
ATTTGATGCTAATGGAGTCTTGTTAGAAGGATCCAGTCTTGATAAAGAGTACTGGAACTTTAGAAAC
AATGATTCTACTGTGTCTGGAAAATATGAAAATGCTGTTCCGTTCATGCCTAACATAACAGCTTATA
AACCCGTCAATTCTAAAAGCTATGCCAGAAGTCACATATTTGGAAATGTATATATTGCTGCTAAGCC
ATATAATCCAGTGGTTATTAAAATTAGCTTCAATCAAGAGACACAAAACAATTGTGTCTATTCTATA
TCATTTGACTACACTTGCTCTAAAGAGTATACAGGTATGCAATTCGATGTTACATCTTTCACCTTCT
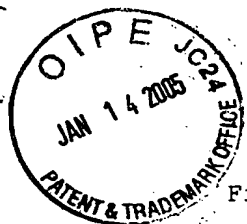CCTATATCGCCCAAGAA**TGA**ATGCATTAG

Figure 4E: Sequence of Ad5/fib40-L chimeric fiber

ATGTTGTTGCAGATGAAGCGCGCAAGACCGTCTGAAGATACCTTCAACCCCGTGTATCCATATGAAC
ACTACAATCCCCTTGACATTCCATTTATTACACCCCCGTTTGCTTCCTCCAACGGCTTGCAAGAAAA
ACCTCCGGGAGTCCTCAGCCTGAAATACACTGATCCACTTACAACCAAAAACGGGGCTTTAACCTTA
AAATTGGGCACGGGACTAAACATTGATAAAAATGGAGATCTTTCTTCAGATGCTAGCGTGGAAGTTA
GCGCCCCTATCACTAAAACCAACAAAATCGTAGGTTTAAATTACACTAAGCCTCTCGCTCTGCAAAA
TAACGCGCTTACTCTTTCTTACAACGCGCCCTTTAACGTAGTAAATAATAATTTAGCTCTAAATATG
TCACAGCCTGTTACTATTAATGCAAACAACGAACTTTCTCTCTTAATAGACGCCCCACTTAATGCTG
ACACGGGCACTCTTCGCCTTCGAAGTGATGCACCTCTTGGACTAGTAGACAAAACACTAAAGGTTTT
GTTTTCTAGCCCCCTCTATCTAGATAATAACTTTCTTACACTAGCCATTGAACGCCCGCTAGCTCTA
TCCAGTAACAGAGCAGTGGCCCTTAAGTATTCACCACCTTTAAAAATAGAAAACGAAAACTTAACCC
TAAGCACAGGCGGACCTTTTACTGTAAGCGGGGGAAATTTAAACCTGGCAACATCGGCACCCCTCTC
CGTGCAAAACAATTCTCTCTCCTTAGGGGTTAACCCGCCTTTTCTCATCACTGACTCTGGATTAGCT
ATGGACTTAGGAGACGGTCTTGCATTAGGTGGCTCTAAGTTAATAATCAATCTTGGTCCAGGTTTAC
AAATGTCTAATGGAGCTATTACTTTAGCACTAGATGCAGCGCTGCCTTTGCAATATAAAAACAACCA
ACTTCAACTCAGAATTGGCTCCGCGTCTGCTTTAATTATGAGCGGAGTAACACAAACATTAAACGTC
AATGCCAATACCAGCAAAGGTCTTGCTATTGAAAATAACTCACTAGTTGTTAAGCTAGGAAACGGTC
TTCGCTTTGATAGCTGGGGAAGCATAGCTGTCTCACCTACTACCACTACCCCTACCACCCTATGGAC
CACCGCGGACCCGTCTCCTAACGCCACTTTTTATGAATCACTAGACGCCAAAGTGTGGCTAGTTTTA
GTAAAATGCAACGGCATGGTTAACGGGACCATATCCATTAAAGCTCAAAAAGGCACTTTACTTAAAC
CCACAGCTAGCTTTATTTCCTTTGTCATGTATTTTTACAGCGACGGAACGTGGAGGAAAAACTATCC
CGTGTTTGACAACGAAGGGATACTAGCAAACAGTGCCACATGGGGTTATCGACAAGGACAGTCTGCC
AACACTAACGTTTCCAATGCTGTAGAATTTATGCCTAGCTCTAAAAGGTATCCCAATGAAAAAGGTT
CTGAAGTTCAGAACATGGCTCTTACCTACACTTTTTTGCAAGGTGACCCTAACATGGCCATATCTTT
TCAGAGCATTTATAATCATGCAATAGAAGGCTACTCATTAAAATTCNCCTGGCGCGTTCGAAATAAT
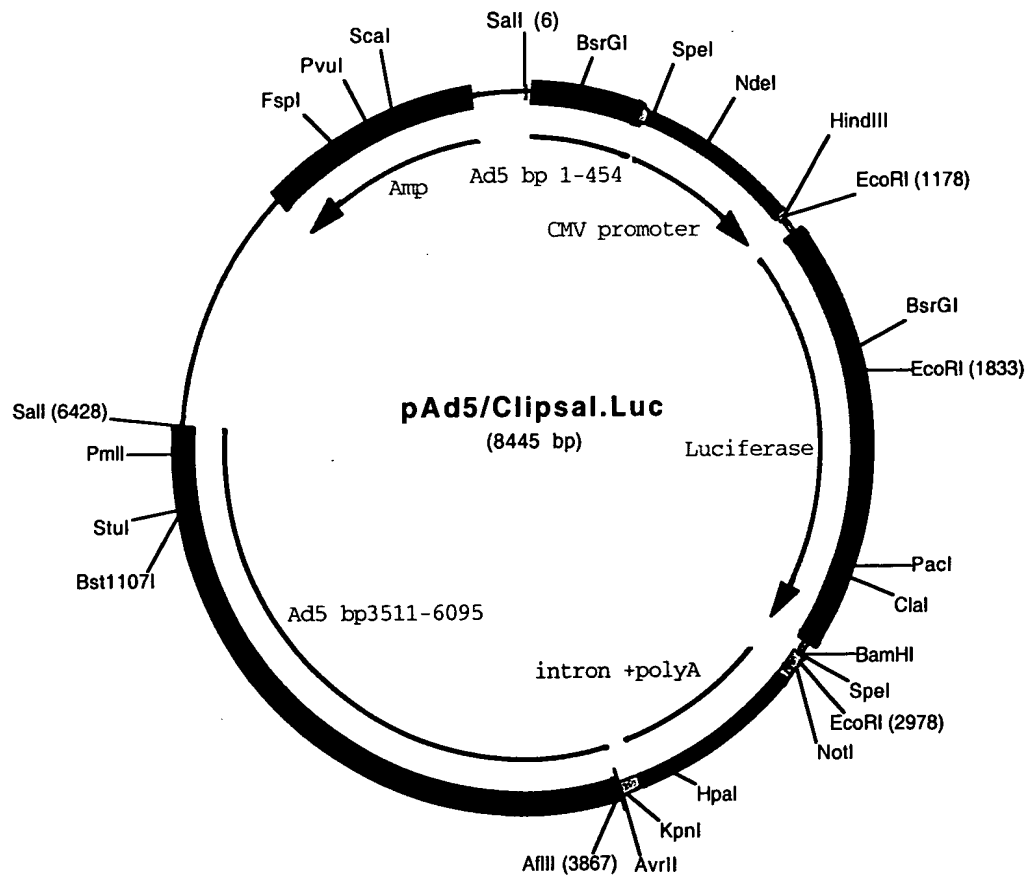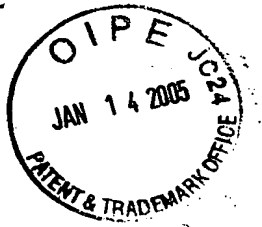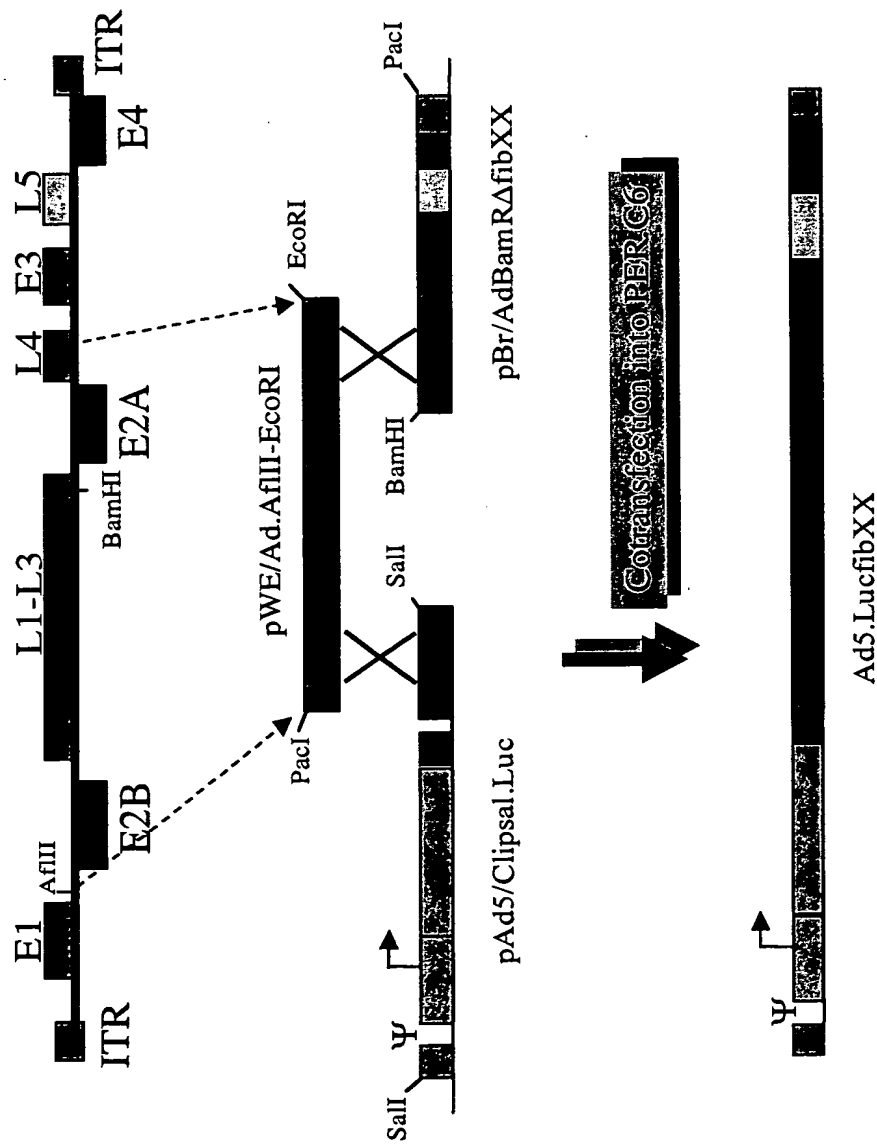GAACGTTTTGACATCCCCTGTTGCTCATTTTCTTATGTAACAGAACAA**TAA**ATGCATTAG

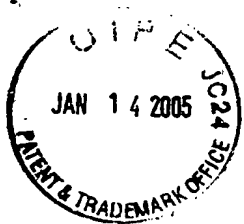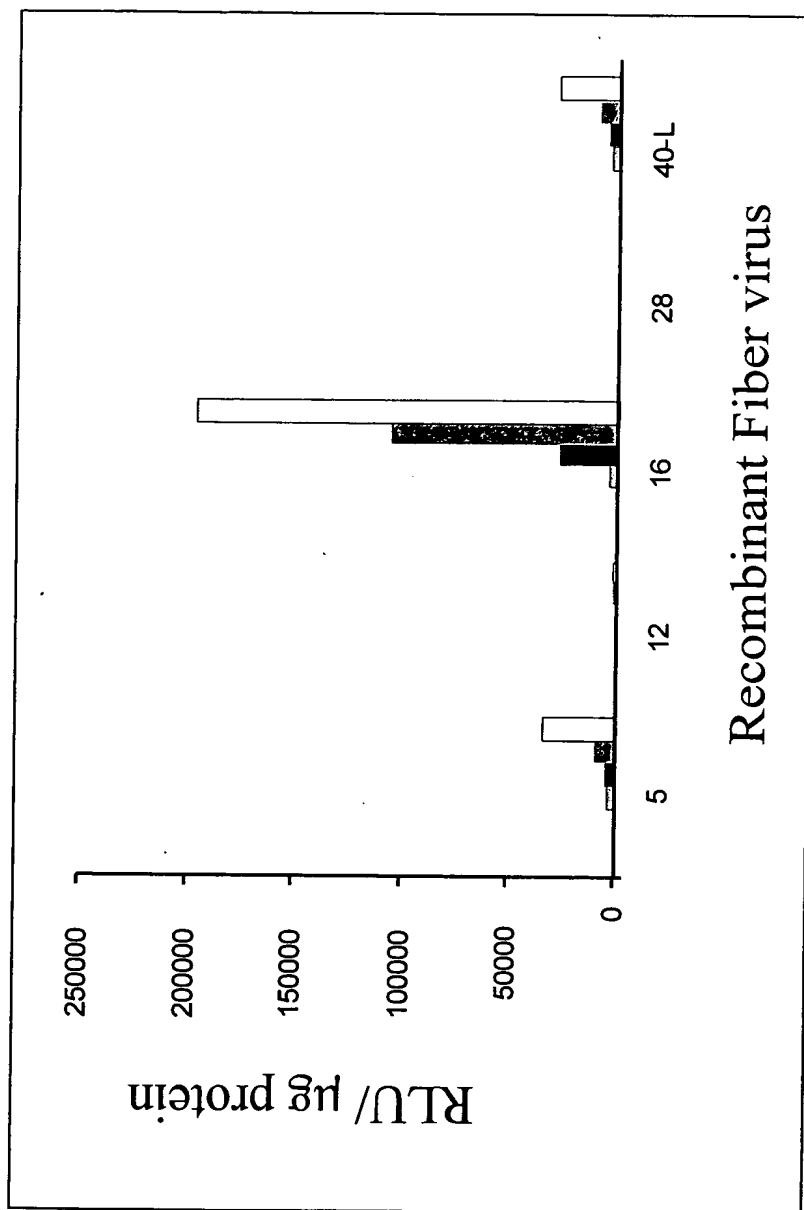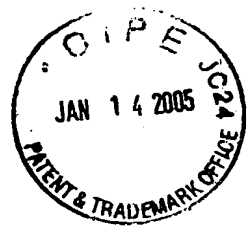Figure 5

Figure 6: Generation of (chimaeric) adenoviruses
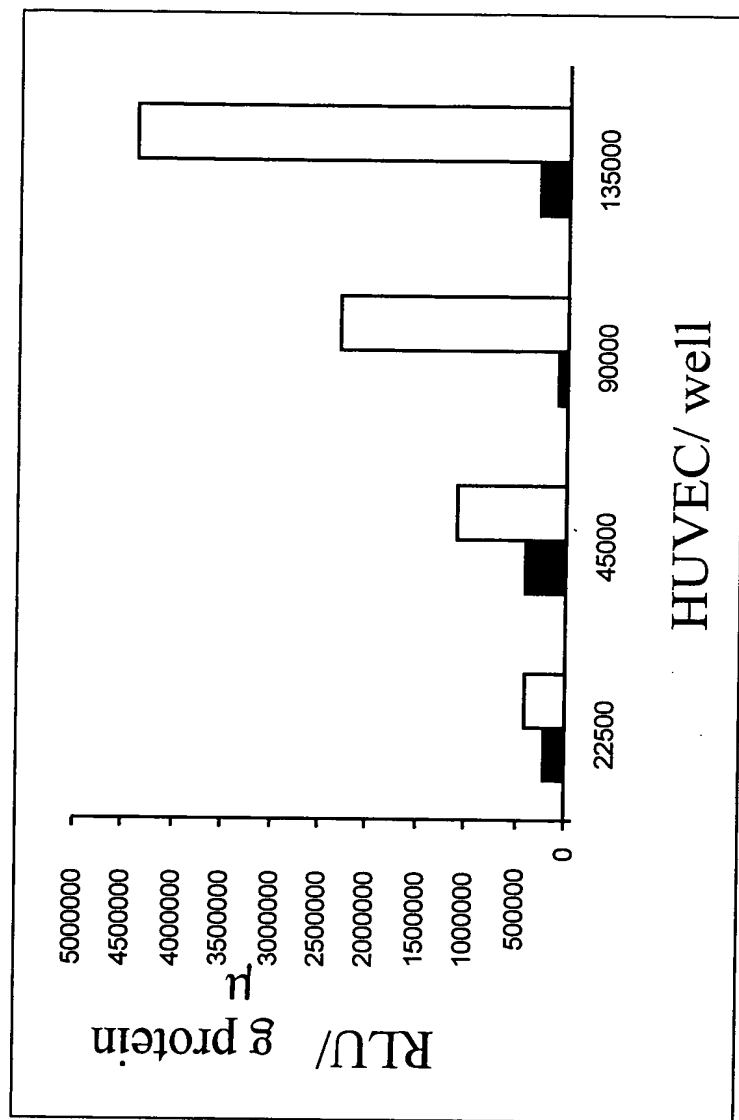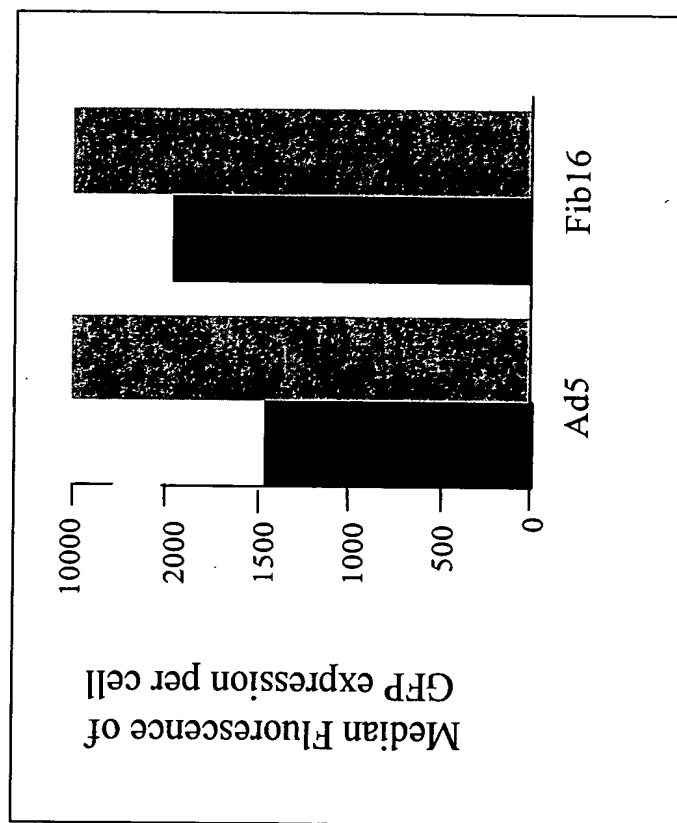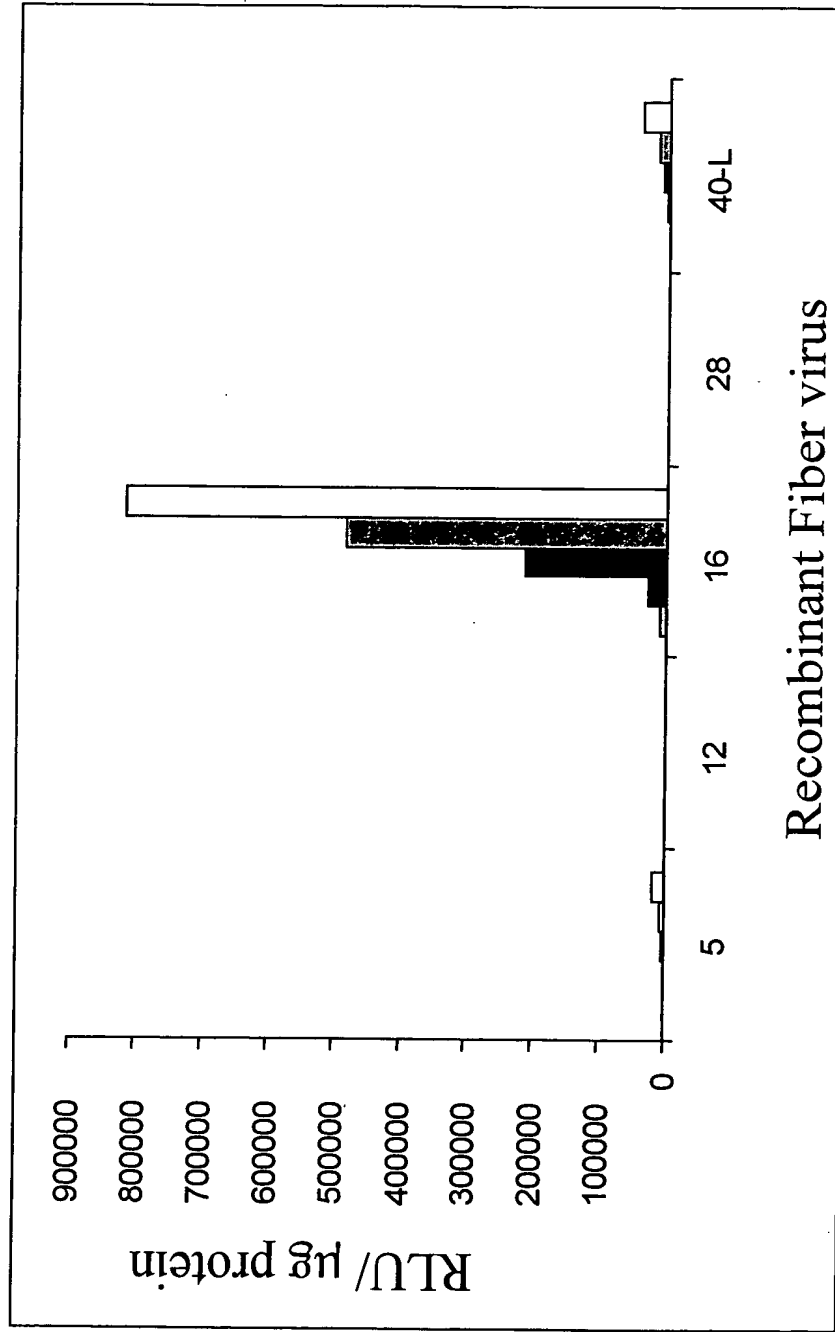
Figure 7a

Figure 7b

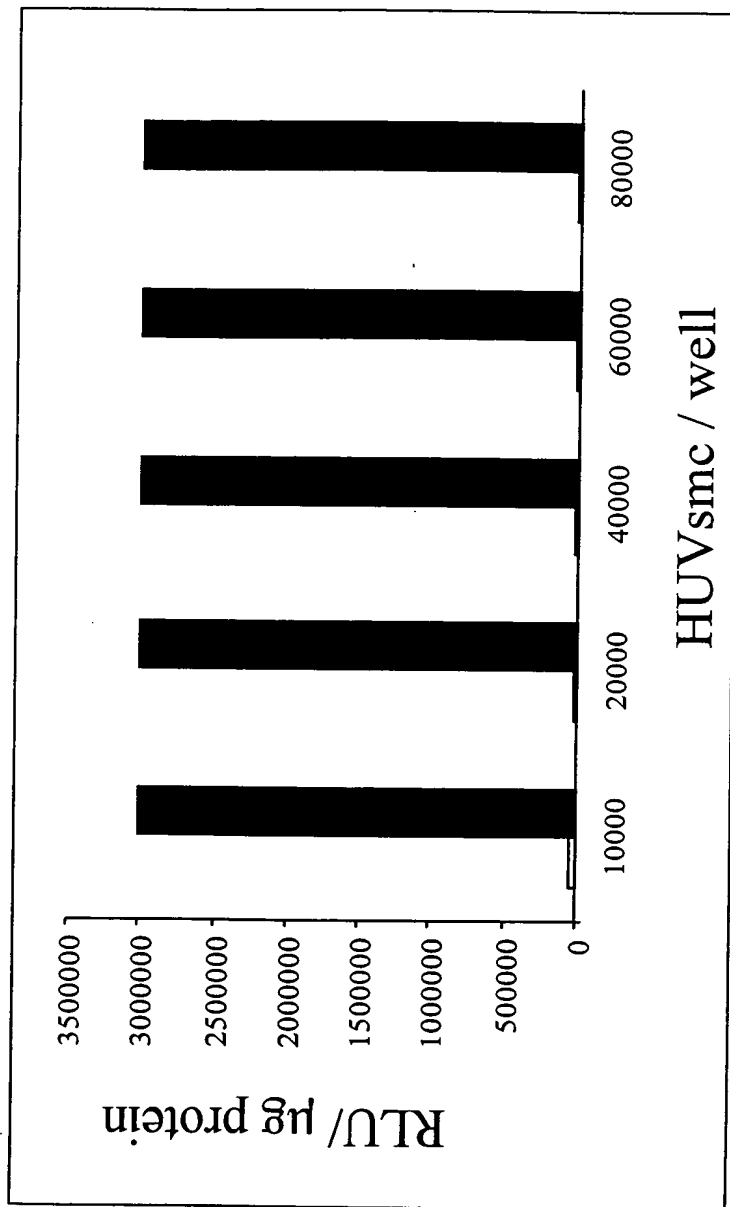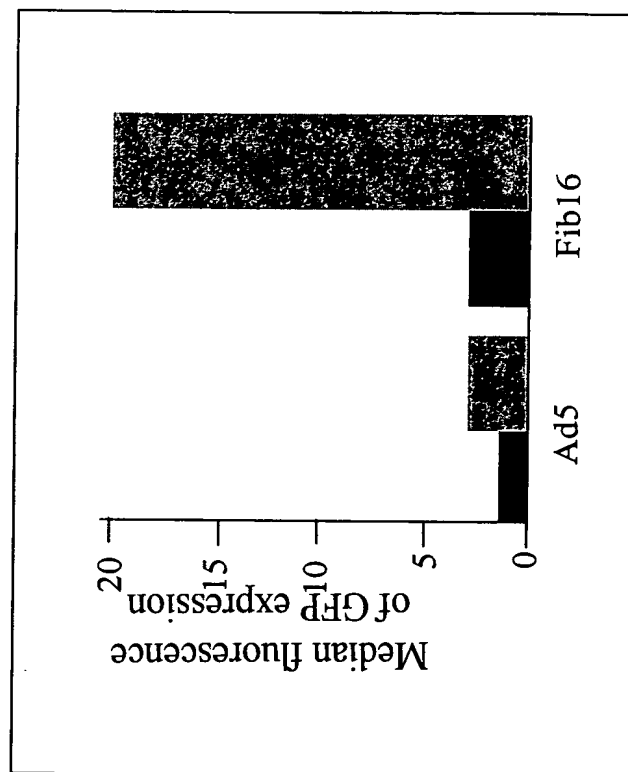# Figure 7c

Figure 8a

Figure 8b
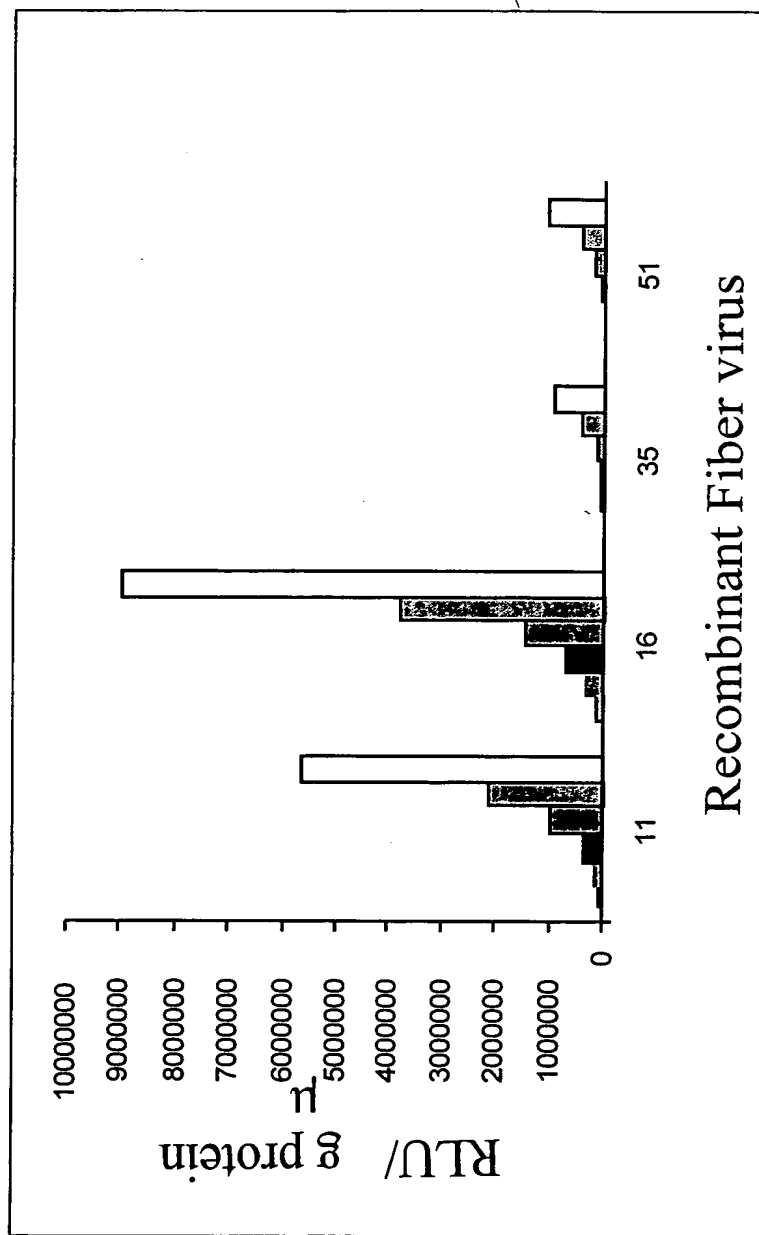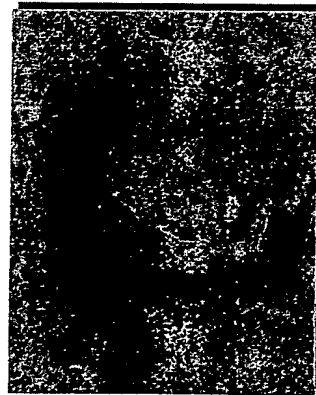
Figure 8c

Figure 8d

Figure 8e:

Ad5Fiber 51.ntLacZ

Ad5Fiber 16.ntLacZ

Ad5.ntLacZ

Negative control

Figure 8f

Ad5Fiber 51.ntLacZ

Ad5Fiber 16.ntLacZ
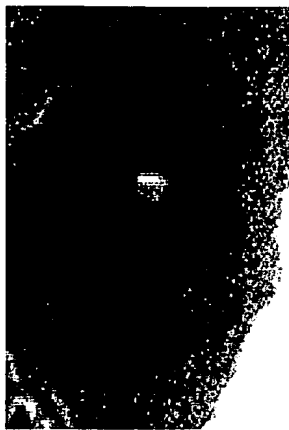
Ad5.ntLacZ

Negative control

Figure 8g
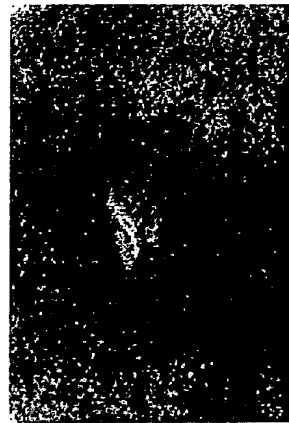
Ad5Fiber 16.ntLacZ

Ad5.ntLacZ

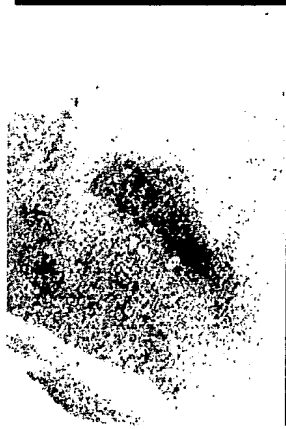Negative control

Figure 8h

Ad5Fiber 51.ntLacZ

Ad5Fiber 16.ntLacZ

Ad5.ntLacZ

Negative control

Figure 9A

Alignment Report of Untitled, using Clustal method with Weighted residue weight table.
Thursday, November 19, 1998 18:25

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1     A T G G C - - - - C A A A C G A G C T C G G C T A A G C A G C T - - - - - - - -   Ad16 genbank.seq
1     A T G T T G T T G C A G A T G A A G C G C G C A A G A C C G T C T G A A G A T A   Ad5/fib16.seq

29    C C T T C A A T C C G G T C T A C C C C T A T G A A G A T G A A A G C A G C T C   Ad16 genbank.seq
41    C C T T C A A C C C C G T G T A T C C A T A T G A A G A T G A A A G C A G C T C   Ad5/fib16.seq

69    A C A A C A C C C C T T T A T A A A C C C T G G T T T C A T T T C C T C A A A T   Ad16 genbank.seq
81    A C A A C A C C C C T T T A T A A A C C C T G G T T T C A T T T C C T C A A A T   Ad5/fib16.seq

109   G G T T T T G C A C A A A G C C C A G A T G G A G T T C T A A C T C T T A A A T   Ad16 genbank.seq
121   G G T T T T G C A C A A A G C C C A G A T G G A G T T C T A A C T C T T A A A T   Ad5/fib16.seq

149   G T G T T A A T C C A C T C A C T A C C G C C A G C G G A C C C C T C C A A C T   Ad16 genbank.seq
161   G T G T T A A T C C A C T C A C T A C C G C C A G C G G A C C C C T C C A A C T   Ad5/fib16.seq

189   T A A A G T T G G A A G C A G T C T T A C A G T A G A T A C T A T C G A T G G G   Ad16 genbank.seq
201   T A A A G T T G G A A G C A G T C T T A C A G T A G A T A C T A T C G A T G G G   Ad5/fib16.seq

229   T C T T T G G A G G A A A A T A T A A C T G C C G C A G C G C C A C T C A C T A   Ad16 genbank.seq
241   T C T T T G G A G G A A A A T A T A A C T G C C G A A G C G C C A C T C A C T A   Ad5/fib16.seq

269   A A A C T A A C C A C T C C A T A G G T T T A T T A A T A G G A T C T G G C T T   Ad16 genbank.seq
281   A A A C T A A C C A C T C C A T A G G T T T A T T A A T A G G A T C T G G C T T   Ad5/fib16.seq

309   G C A A A C A A A G G A T G A T A A A C T T T G T T T A T C G C T G G G A G A T   Ad16 genbank.seq
321   G C A A A C A A A G G A T G A T A A A C T T T G T T T A T C G C T G G G A G A T   Ad5/fib16.seq

349   G G G T T G G T A A C A A A G G A T G A T A A A C T A T G T T T A T C G C T G G   Ad16 genbank.seq
361   G G G T T G G T A A C A A A G G A T G A T A A A C T A T G T T T A T C G C T G G   Ad5/fib16.seq

389   G A G A T G G G T T A A T A A C A A A A A A T G A T G T A C T A T G T G C C A A   Ad16 genbank.seq
401   G A G A T G G G T T A A T A A C A A A A A A T G A T G T A C T A T G T G C C A A   Ad5/fib16.seq

429   A C T A G G A C A T G G C C T T G T G T T T G A C T C T T C C A A T G C T A T C   Ad16 genbank.seq
441   A C T A G G A C A T G G C C T T G T G T T T G A C T C T T C C A A T G C T A T C   Ad5/fib16.seq

469   A C C A T A G A A A A C A A C A C C T T G T G G A C A G G C G C A A A A C C A A   Ad16 genbank.seq
481   A C C A T A G A A A A C A A C A C C T T G T G G A C A G G C G C A A A A C C A A   Ad5/fib16.seq

509   G C G C C A A C T G T G T A A T T A A A G A G G G A G A A G A T T C C C C A G A   Ad16 genbank.seq
521   G C G C C A A C T G T G T A A T T A A A G A G G G A G A A G A T T C C C C A G A   Ad5/fib16.seq

549   C T G T A A G C T C A C T T T A G T T C T A G T G A A G A A T G G A G G A C T G   Ad16 genbank.seq
561   C T G T A A G C T C A C T T T A G T T C T A G T G A A G A A T G G A G G A C T G   Ad5/fib16.seq

589   A T A A A T G G A T A C A T A A C A T T A A T G G G A G C C T C A G A A T A T A   Ad16 genbank.seq
601   A T A A A T G G A T A C A T A A C A T T A A T G G G A G C C T C A G A A T A T A   Ad5/fib16.seq

629   C T A A C A C C T T G T T T A A A A A C A A T C A A G T T A C A A T C G A T G T   Ad16 genbank.seq
641   C T A A C A C C T T G T T T A A A A A C A A T C A A G T T A C A A T C G A T G T   Ad5/fib16.seq

669   A A A C C T C G C A T T T G A T A A T A C T G G C C A A A T T A T T A C T T A C   Ad16 genbank.seq
681   A A A C C T C G C A T T T G A T A A T A C T G G C C A A A T T A T T A C T T A C   Ad5/fib16.seq

709   C T A T C A T C C C T T A A A A G T A A C C T G A A C T T T A A A G A C A A C C   Ad16 genbank.seq
721   C T A T C A T C C C T T A A A A G T A A C C T G A A C T T T A A A G A C A A C C   Ad5/fib16.seq
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Figure 9A , contd.

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749   A A A A C A T G G C T A C T G G A A C C A T A A C C A G T G C C A A A G G C T T   Ad16 genbank.sec
761   A A A A C A T G G C T A C T G G A A C C A T A A C C A G T G C C A A A G G C T T   Ad5/fib16.seq


789   C A T G C C C A G C A C C A C C G C C T A T C C A T T T A T A A C A T A C G C C   Ad16 genbank.sec
801   C A T G C C C A G C A C C A C C G C C T A T C C A T T T A T A A C A T A C G C C   Ad5/fib16.seq


829   A C T G A G A C C C T A A A T G A A G A T T A C A T T T A T G G A G A G T G T T   Ad16 genbank.sec
841   A C T G A G A C C C T A A A T G A A G A T T A C A T T T A T G G A G A G T G T T   Ad5/fib16.seq


869   A C T A C A A A T C T A C C A A T G G A A C T C T C T T T C C A C T A A A A G T   Ad16 genbank.sec
881   A C T A C A A A T C T A C C A A T G G A A C T C T C T T T C C A C T A A A A G T   Ad5/fib16.seq


909   T A C T G T C A C A C T A A A C A G A C G T A T G T T A G C T T C T G G A A T G   Ad16 genbank.sec
921   T A C T G T C A C A C T A A A C A G A C G T A T G T T A G C T T C T G G A A T G   Ad5/fib16.seq


949   G C C T A T G C T A T G A A T T T T T C A T G G T C T C T A A A T G C A G A G G   Ad16 genbank.seq
961   G C C T A T G C T A T G A A T T T T T C A T G G T C T C T A A A T G C A G A G G   Ad5/fib16.seq


989   A A G C C C C G G A A A C T A C C G A A G T C A C T C T C A T T A C C T C C C C   Ad16 genbank.seq
1001  A A G C C C C G G A A A C T A C C G A A G T C A C T C T C A T T A C C T C C C C   Ad5/fib16.seq


1029  C T T C T T T T T T T C T T A T A T C A G A G A A G A T G A C T G A                 Ad16 genbank.sec
1041  C T T C T T T T T T T C T T A T A T C A G A G A A G A T G A C T G A                 Ad5/fib16.seq
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Decoration 'Decoration #1': Box residues that differ from Ad16 genbank.seq.

Figure 9B

Alignment Report of Untitled, using Clustal method with PAM250 residue weight table.
Thursday, November 19, 1998 18:09

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1    M A K R A R L S S - S F N P V Y P Y E D E S S S Q H P F I N   Ad16 fiber protein GenBank
1    M - K R A R P S E D T F N P V Y P Y E D E S S S Q H P F I N   Ad16A fib protein


30   P G F I S S N G F A Q S P D G V L T L K C V N P L T T A S G   Ad16 fiber protein GenBank
30   P G F I S S N G F A Q S P D G V L T L K C V N P L T T A S G   Ad16A fib protein


60   P L Q L K V G S S L T V D T I D G S L E E N I T A A A P L T   Ad16 fiber protein GenBank
60   P L Q L K V G S S L T V D T I D G S L E E N I T A E A P L T   Ad16A fib protein


90   K T N H S I G L L I G S G L Q T K D D K L C L S L G D G L V   Ad16 fiber protein GenBank
90   K T N H S I G L L I G S G L Q T K D D K L C L S L G D G L V   Ad16A fib protein


120  T K D D K L C L S L G D G L I T K N D V L C A K L G H G L V   Ad16 fiber protein GenBank
120  T K D D K L C L S L G D G L I T K N D V L C A K L G H G L V   Ad16A fib protein


150  F D S S N A I T I E N N T L W T G A K P S A N C V I K E G E   Ad16 fiber protein GenBank
150  F D S S N A I T I E N N T L W T G A K P S A N C V I K E G E   Ad16A fib protein


180  D S P D C K L T L V L V K N G G L I N G Y I T L M G A S E Y   Ad16 fiber protein GenBank
180  D S P D C K L T L V L V K N G G L I N G Y I T L M G A S E Y   Ad16A fib protein


210  T N T L F K N N Q V T I D V N L A F D N T G Q I I T Y L S S   Ad16 fiber protein GenBank
210  T N T L F K N N Q V T I D V N L A F D N T G Q I I T Y L S S   Ad16A fib protein


240  L K S N L N F K D N Q N M A T G T I T S A K G F M P S T T A   Ad16 fiber protein GenBank
240  L K S N L N F K D N Q N M A T G T I T S A K G F M P S T T A   Ad16A fib protein


270  Y P F I T Y A T E T L N E D Y I Y G E C Y Y K S T N G T L F   Ad16 fiber protein GenBank
270  Y P F I T Y A T E T L N E D Y I Y G E C Y Y K S T N G T L F   Ad16A fib protein


300  P L K V T V T L N R R M L A S G M A Y A M N F S W S L N A E   Ad16 fiber protein GenBank
300  P L K V T V T L N R R M L A S G M A Y A M N F S W S L N A E   Ad16A fib protein


330  E A P E T T E V T L I T S P F F F S Y I R E D D .             Ad16 fiber protein GenBank
330  E A P E T T E V T L I T S P F F F S Y I R E D D .             Ad16A fib protein
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Decoration 'Decoration #1': Box residues that differ from the Consensus.